

THE TECH

VOL. XXVIII. No. 51

BOSTON, MASS., WEDNESDAY, MARCH 3, 1909

PRICE THREE CENTS

TECH IS MEMBER OF I. C. A. A. A.

**Admitted to Membership at
Meeting Held in
New York**

PROPOSED BY HARVARD

**Joseph D. Leland Makes Motion
For Admission of Institute
Team to Association**

Technology, Virginia and Bowdoin were admitted to membership in the Intercollegiate Association of Amateur Athletes of America at its 34th annual convention at the Waldorf-Astoria in New York. On a motion by Joseph D. Leland of Harvard, seconded by H. E. Hall of Columbia University, the Institute was admitted by unanimous vote.

Harvard, Yale, Princeton, Pennsylvania, Dartmouth, Columbia, Brown, Amherst, Michigan, Syracuse, Fordham and Stevens Institute were represented.

The alteration of article 10 of the by-laws, which was adopted reads as follows: "No college shall enter more than 12 men for any one competition or start more than five, except in the cross country run, in which contest 20 men may be entered by each member of the association, seven of whom may start and the first five qualify."

There was no objection to Harvard getting the track and field meet this year and Pennsylvania having it in 1910. It was agreed that any place having proper accommodations should have the meet in 1911 or '12. S. H. Cook of Syracuse University spoke in favor of the Syracuse Stadium for these later dates, and the convention appears to favor Syracuse.

Joseph D. Leland of Harvard was appointed manager of the meet, which will be held Friday and Saturday, May 28 and 29.

The following officers were unanimously elected for the coming year: President, Harry E. Hill of Columbia; vice-presidents, W. W. Porter, Jr., of Syracuse and G. T. Burns of Dartmouth; secretary, M. J. H. McGrath of New York University; treasurer, H. K. Gilmore of Princeton. Executive committee, M. A. Seabury of Yale; G. T. Rockwell of Cornell, J. D. Leland of Harvard, A. L. Geyelin, Penn.; advisory committee, G. Kirby of Columbia, T. Gerrish of Harvard, R. Berry of Cornell; faculty committee, Cornell, Prof. H. Diederichs, chairman; Pennsylvania, Prof. R. T. McKenzie; Dartmouth, Dr. C. E. Bol-Bolser; Yale, Prof. W. L. Phelps; Harvard, name to be given later.

After the meeting adjourned the executive and advisory committee held a joint meeting and appointed James E. Sullivan, president of the A. A. U., referee of the track and field meet this year.

WOMAN'S ASSOCIATION

**Miss Strongman, Instructor in
Girls High, Gives Talk**

At a meeting of the Technology Woman's Association held last Friday afternoon in the Margaret Cheney rooms the principal speaker was Miss Strongman of the Girl's High School. Miss Strongman gave a most interesting account of the trip abroad of the Canadian and American teachers whom she accompanied. Miss Strongman is an alumnus of the Institute having completed a course in biology here in 1906.

Other speakers included Mrs. Stanley McCormick, who gave a discourse on equal suffrage, and the Misses Rendelle and Costelloe, who recently have won for themselves world-wide renown by their work in defence of woman suffrage in England. After the meeting tea was served by the girls of the association.

SHOW POSTER HAS BEEN SELECTED

**F. A. Burton, 1909, Submits
Best Design—Three
Colors Used**

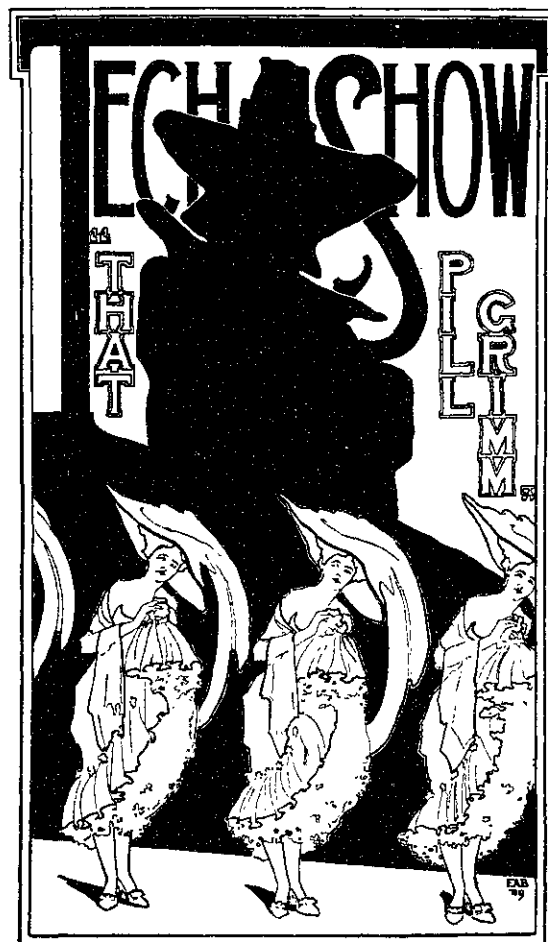
WILL BE READY SOON

**Copies of Poster Will Be On Sale
In Show Office In About
Two Weeks**

Tech Show poster 1909 will be on sale in a few weeks. The proofs have already been approved and the posters are now being printed.

The poster was drawn by F. A. Burton 1909, and is considered one of the best show posters the Show has ever had. Burton is a member of the architectural department and is a graduate of Bowdoin College, where he drew several posters for college plays.

The poster this year is striking as well as being artistic. The pilgrim, in



black, as well as the clever lettering in red, "Tech Show," stand out prominently against the green background. The red dancing girls in the foreground lend interest and action to the drawing. The posters will be on sale at the show office in two weeks, if nothing happens, at twenty-five cents each.

HARE AND HOUND RUN

**Will Begin Saturday if Ground is
in Good Condition**

Hare and hounds runs will begin Saturday if the ground remains clear. The place has not yet been decided on but it will probably be held at Hyde Park, where there are shower baths and a swimming tank. Definite notice will be given on Friday on the bulletin boards and in The Tech. Coach Kanaly is anxious to get the men started on outdoor athletics. Everyone will be welcome on these runs and men who are coming out will do well to start while the runs are short and the pace easy. Capt. C. P. Eldred of the 1911 team and Capt. H. S. Benson of the freshmen squad both made a second call for candidates. Men of all the classes should be preparing for the inter-course race to be held on April 3 and for the handicap race on April 24. All track men who run distances exceeding the quarter mile will start training with these runs on Saturdays and the short road runs from the Gym on Tuesdays and Thursdays.

PROF. T. A. JAGGER GOING TO JAPAN

**Is Now Preparing For Trip
To Japan and Hawaii
For Study**

OBSERVATORY PLANNED

**Institute To Install Instruments
For the Study of Earth
Gravitation**

Professor T. A. Jagger, Jr., of the geological department, has been granted leave of absence for the second term. Professor Daly will take charge of the department during his absence. Professor Jagger is preparing to go to Japan and the Hawaiian Islands. In Japan he is planning the study of geophysical observatories, which have been established there to investigate earthquake phenomena, and, if time allows, to examine some of the volcanoes there. On his return to this country he will stop at Hawaii. He will spend most of the summer there in order to study volcanic phenomena with special reference to the reported activity of Kilauea.

The geological department, in association with the Volcanic Research Society, of Springfield, Mass., immediately after the news of the Messina earthquake reached this country raised a fund of nearly one thousand dollars to enable Mr. T. A. Perret, a distinguished vulcanologist, resident at Naples, to proceed at once to Messina as an associate of the department and make geological investigations, not only of the earthquake, but of the present condition of Mt. Aetna.

Plans are being made for the establishment by the Institute of a Research Laboratory of Geodesy and Physical Geology. Its staff will consist of the officers of the Geological Department who are interested in physical geology, and of the officers of the civil engineering department who have to do with Geodesy. Under this organization will be built the observatory, at which will be made continuous record of earth movements, and where research work may be done in terrestrial gravitation, magnetism, and variation of latitude. It is planned to maintain, in connection with the observatory, a small museum of geophysics, which will be open to the public. An important feature of the work of this laboratory will be its annual expeditions to distant points to make observations. It is planned to send such an expedition to Hawaii under Professor Daly's direction, at some time during the present year.

Among the former work of the Institute on these lines might be mentioned the erection of the Geodetic Observatory in Middlesex Fells; Professor Burton's two eclipse expeditions to Naples in 1902, and to Martinique in 1906; Professor Hosmer's magnetic observatories in Labrador in 1905; the appointment of Professor R. A. Daly to the newly established professorship of physical geology, in 1907; the gift in the same year of a seismograph, from the estate of C. A. R. Whitney; Professor Jagger's expedition for geophysical study, to the Aleutian Islands, in 1907; and Mr. T. A. Perret's investigations at Messina in January of this year.

The Basch-Omori seismograph made in Strassburg has been received by the Geological Department, and awaits installation in the observatory at such time as that may be built. Two new petrographical microscopes fitted with mechanical stages have also been received. They will be used in graduate research work. These microscopes are the gift of Mrs. W. B. Rogers.

POINT SYSTEM IS GREATLY CHANGED

**Institute Committee Takes
Action and Reduces
Assignments**

AFFECTS 17 POSITIONS

**Presidents of Lower Classes and
Professional Societies
Cut From 8 to 6**

After long, careful discussion the Institute committee voted yesterday afternoon a complete rearrangement of the point system, assigning 17 undergraduate positions to classes different from that in which they were placed by the former system. As a general thing these offices were considered as rated too high and have thus been allotted fewer points. The changes are made as follows:

General manager of the musical clubs from 9 points to 6.
President of the M. I. T. A. A. from 8 points to 6.
President of the Y. M. C. A. from 8 points to 7.
Presidents of the professional societies from 8 points to 6.
President of the sophomore class from 8 points to 6.
President of the freshman class from 8 points to 6.
Members of the junior prom committee from 8 points to 7.
Members of the senior portfolio committee from 8 points to 7.
Members of the Institute Committee from 7 points to 6.
Assistant general manager of the musical clubs from 6 points to 4.
Managers of the musical clubs from 6 points to 4.
Members of the Union Committee from 7 points to 4.
Members of and candidates for the news staff of The Tech from 4 points to 5.
Manager of the golf team from 4 points to 2.
Manager of tennis team from 4 points to 2.
Members of and candidates for the golf and tennis teams from 3 points to 2.
The committee on the regulation of the point system recommended that the electoral committee of each class and the secretaries of all other organizations shall send a list of the nominees for office to the regulation committee for approval. In the case of the classes this approval will be necessary before the printing of the ballots. The electoral committees and secretaries shall also send to the same committee a list of the officers elected.
These recommendations were accepted, and it was further moved that the various organizations be notified of the conditions of the recommendations.
The Institute Committee will hold another meeting on next Wednesday and would be glad to receive suggestions before that time regarding any phase of the renovated point system.

About 100 volumes of architectural works, the property of Alfred Greenough, have been donated to the architectural library by his relatives of the Parker family. Some of these books are very old editions and hence of considerable value. A large number of photographs is included in the gift.

CALENDAR

WEDNESDAY, MARCH 3.
7.30 P. M. M. A. H. S. Club at Union.
THURSDAY, MARCH 4.
6.30 P. M. Biological Society at Hotel Mariave.
6.30 P. M. N. Y. Club at the Union.
8.00 P. M. Lecture on Cosmic Physics by Prof. Lowell.
Architectural Society smoker at the Union.

THE TECH

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Wednesday, March 3, 1909.

Professor William T. Sedgwick has kindly contributed the tribute to Mrs. Rogers published in this issue.

The 1910 Junior Prom Committee has practically completed all arrangements for the social event of the year. It is now delayed because of the fact that few have signed up as yet. Until the committee is assured of how many it must provide for the preliminary orders cannot be issued, so if men have any intention of attending the Prom they should sign up at once with one of the committee.

Mrs. William Rogers, wife of Professor Rogers, the founder and first president of the Institute, will celebrate her eighty-fifth birthday tomorrow at her home on Marlborough Street.

The Tech desires to convey to Mrs. Rogers its respectful congratulations upon the coming anniversary and to express the hope that she may long survive, not only to bestow upon us the ever-gracious benediction of her presence but also as the visible representative of the spirit of the Institute and the high ideals of her husband, its illustrious founder.

Now that Technology has been admitted to the I. C. A. A. A. A. it is "up to us" to show that Tech is in a class with the best athletic ability in the country. That there is excellent material at the Institute has been shown by past performances, but it is the future that we are preparing for now and it is possible that some of Tech's best men may compete in the Intercollegiate in the Harvard Stadium. Tech's greatest athletic field will still be in cross country work and if the four men of last year's successful team are to be replaced, it will be necessary for a lot of underclassmen to get out at once to see if they can run. To make the training more interesting three cross country races will be held next month. Work is going on regularly at the Gym, but more men are wanted for the class and course teams.

BASKETBALL THURSDAY

For the second time this season the Institute basketball team will meet that from Lowell Textile at the Gym tomorrow night. Tech won the last game by the largest score of the season, but that was some time ago. The team has not been winning so frequently of late, and a close contest is expected. The two lower class teams will meet again between the halves.

As a result of the recent class basketball championship series the following 1911 men have been awarded class numerals by the Advisory Council: R. E. Schatz, G. E. Livingston, L. G. Metcalf, H. D. Williams, D. R. Stevens, C. H. Harrington, R. G. MacPherson and F. M. O'Neill.

Louis Svarz 1910, Course IV, won the competition for the design of the title page of the Musical Clubs section of Technique 1910. Quite a number of good designs were submitted.

QUEEN DOWAGER OF THE INSTITUTE

Mrs. Rogers Celebrates Eighty-Fifth Birthday Tomorrow

There is one person living, and only one, who has known and loved the Institute from its first conception in the mind of Professor William Barton Rogers and throughout all the vicissitudes of its existence until today. That person is his beloved wife, whose eighty-fifth birthday will be celebrated tomorrow.

It was science which induced Professor Rogers, then of the University of Virginia to visit New England on a geological excursion in 1845, but it was Emma Savage, a young lady whom he met that summer for the first time in the White Mountains who eventually brought him to Boston and thus, through him, gave us the unique and splendid Institute that we have today.

This is neither the time nor the place to relate how Mrs. Rogers' life became blended with that of her husband in a lofty devotion to science and a passionate loyalty to the Institute. Only those who have had the rare privilege of her intimate acquaintance realize how completely her whole life has been absorbed in the foundation, organization and success of her husband's plans for technological education in Boston. They alone can tell of the terrible years of anxiety, when President Rogers lay dangerously ill and unable to be at his post; of low tides in the Institute's history when friends were few, and financial burdens almost too heavy to be borne; of mergers, old and new, threatening to impair the integrity of the great School, whose birth, childhood and strong manhood she has always watched with fond solicitude.

Many, however, know the gracious presence, the generous hospitality, the spirited personality, of Mrs. Rogers. And one of the richest endowments of the Institute for the future will be traditions of the high-bred gentlewoman whose noble courage, sympathy, and devotion cheered and upheld the Founder of the Institute in his great work. May her example be an inspiration to her successors in all the coming generations.

The engagement is announced of William Durant Mibne, 1908, to Lorna MacLean, Wellesley, 1908.

The marriage of Francis Bradley, 1902, to Miss Grace Redearn of Boston is also announced.

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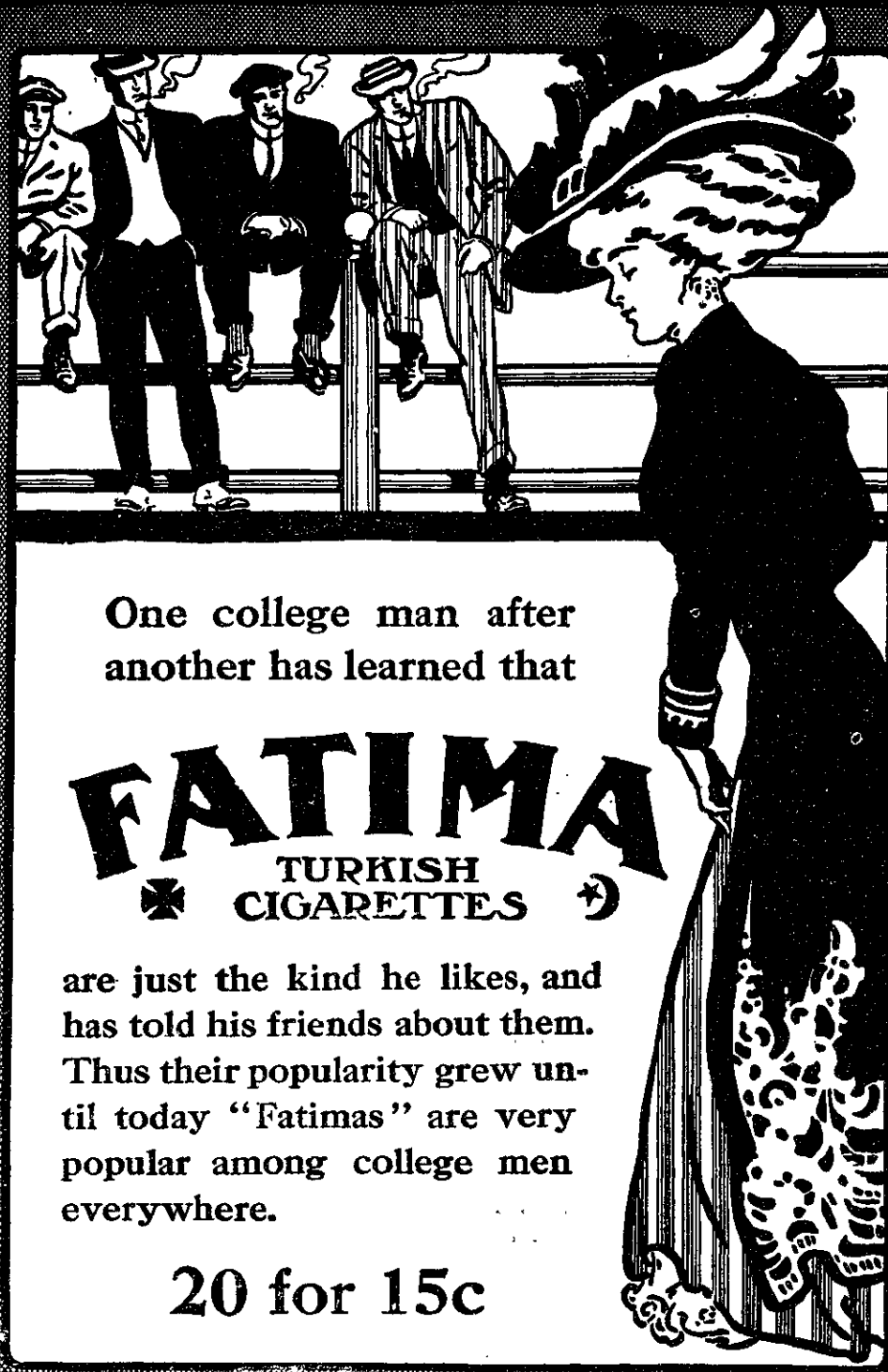
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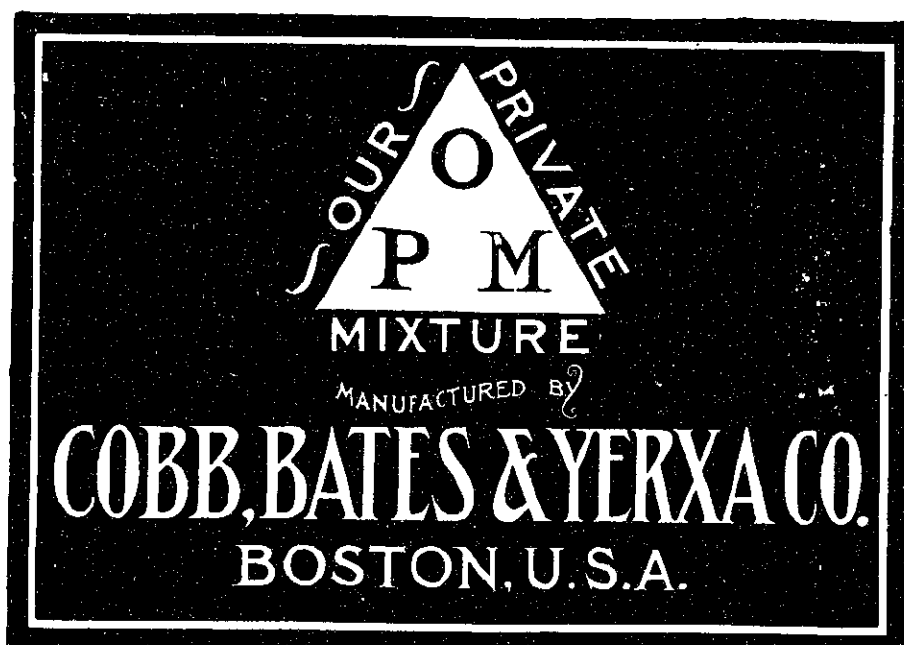
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H. W. Pain 1909, A. A. Gould 1910, R. H. Gould 1911, D. J. Bakewell 1911, P. W. Taylor 1910, and V. G. Sloan 1912, were awarded the H.T.T. insignia at the meeting of the Athletic Association yesterday afternoon. The hockey team has won four games, lost three, and played one to a tie this season.

A plan is being investigated by the association whereby the various athletic activities of the Institute may be more closely bound together and put on a sound financial basis.

The object is to incorporate the different sports, fencing, hockey, basket-ball, tennis, track and cross-country under one head and to issue a season ticket, which will admit the holder to all games and meets. It will be good for admittance to all basket ball games, all fencing meets, and in the case of meets at the field while it will admit to the field, it will not include the grand stand.

Intercollegiate meets will not be included in the ticket privilege. From a mere pecuniary standpoint this will be of advantage to all students. The price of the ticket will be \$3.00, while if single tickets were bought to each of the events which the season ticket covers, the cost would be about \$5.50. The money obtained from the sale of these tickets will be apportioned to the various activities according to their financial requirements and to their industrial importance. To make ends meet it will be necessary to sell between 350 and 450 tickets, and while in all probability a great many more would be sold, the number is put low in order to obtain a conservative estimate.

IMPROVEMENTS IN LAB.

Apparatus for Testing of Cement
And Other Materials

The Mechanical Engineering Department is at present investigating the breaking strength and method of failure of reinforced concrete beams of rather unusual proportions. The form of beam which has been most frequently tested and for which most information has been obtained is what may be called the typical floor beam used in concrete buildings, having a span of 16 feet or more, and a depth usually not greater than 18 or 20 inches. In certain parts of engineering structures the loads are so great that it becomes necessary to use beams and girders of less than half the above length and more than double the depth. With such proportions very little is known about the nature of the stresses, and engineers are in doubt whether the beam deflects under its load, like a longer beam, or whether it supports its load somewhat like an arch.

The Ambusen Hydraulic Construction Company has supplied the Institute with 12 concrete beams varying in length from 6 to 12 feet and having a uniform depth of 30 inches, and 12 others, made in exact duplicate of the first lot, but with just half the linear dimensions. These are now being tested by students under the direction of the instructing staff. It is expected that, among other things, the results will show whether the smaller specimens fail in the same manner as the larger, or whether the larger, more expensive ones are really necessary for obtaining reliable data.

The Institute laboratories are well equipped for testing concrete. They contain a machine capable of bracing columns up to 12 inches square, and two beam-testing machines, the larger of which can measure loads up to 100,000 lbs. Another machine, originally built for testing arches has recently been adopted for breaking beams; its capacity is 400,000 lbs. During the past seven years there has been scarcely a term when these machines have not been used for concrete tests of one sort or another. The work has included tests of columns, floor slabs, arches and beams as well as special tests of bonding and water-proofing.

Some of the tests of columns were made to determine the loss of strength due to subjecting the column to a prolonged and intense heat followed by application of a stream of water from a hose.

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M.A.H.S. CLUB MEETS

All the members of the fourth year class, Mechanics Arts High School, who intend to go to college next year are in Club, to be held this evening at 7.30 P. M., in the two small dining rooms in the Union. Prof. Merrill, 885, will speak on the Institute in his day, and Dean Burton will follow with a talk on the Institute of today. The Tech Orchestra will play. There will be light refreshments served free.

It has always been the custom of the club to invite the high school men down in order that they might know as much as possible about Technology before choosing their college. This year an especial effort is to be made, as other colleges are doing their best to attract the men.

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AND
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83 NEWBURY STREET, BOSTON

The Review aims to develop closer relations among Institute men and to stimulate their interest in the work of the College. It is in no sense an engineering magazine, but deals broadly with the problems of Technological Education and the responsibilities of the professional man.

THE REVIEW is published during January, April, July, and October. Communications should be addressed to THE TECHNOLOGY REVIEW, 83 Newbury St., Boston.

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TAILORS

51 SUMMER ST., cor. CHAUNCY ST.

At the meeting of the committee it was decided to hold the Interscholastic Competitive Drill on Wednesday afternoon, April 14. An exhibition drill by the battalion will occupy the first hour of the regular drill period. During the rest of the time teams of three men, representing different New England high schools will compete for honors.

It was decided, subject to the approval of the cadets, to hold the regular competitive drill of the battalion, Friday evening, May 14. If this is done the drill the next Wednesday will probably be omitted.

NOTICES

1912 CROSS COUNTRY.—Men report at Gym tomorrow at 4.15 P. M.

Gym Team practice Thursday 4 P. M. at the Gym.

T. P. A.—Meeting in Room A of Union at 1.00 P. M. tomorrow.

Several slide rules have been found and left at the Bursar's office.

M. A. H. S. Club Meeting tonight, 7.30 P. M., in the small dining room of the Union.

WEIGHT SQUAD will report Tuesdays and Thursdays at 4 P. M. in front of the Lowell Building. New men are wanted.

1912 Nomination papers for tug-of-war, foot-ball, basket-ball and base-ball managers must be handed in before four o'clock Wednesday.

ARCHITECTS.—Smoker tomorrow evening at 8 in the Union. Professor Homer will speak on Porto Rico.

NEW YORK STATE CLUB.—Dinner and meeting tomorrow at 6.30 P. M. upstairs in the Union.

GYM WORK.—Regular class work will continue until April 10 two hours per week. All students having work to make up should do it before that time.

BIOLOGICAL SOCIETY Dinner at the Marlave, 11 Bosworth Place, Thursday, Mar. 4, 6.30 p. m. Dr. Leary of the Tufts Medical School will speak on vaccines and antitoxines.

SENIOR PORTFOLIO.

If there are any men who are eligible for the Portfolio and who have not been given orders at Notman's, they should notify any of the committee at once.

All men must have made appointments with Notman Photo Co. before March 6.

The committee will give out any further information that is desired. Committee: C. N. Harrub, W. J. Kelly, J. W. Nickerson, A. L. Shaw, H. E. Whitaker.

WAITERS.—Position open for an assistant head waiter at the Union Dining Room. See steward for particulars.

CLASSIFIED ADS

Advertisements under this head are inserted at the rate of five cents a line of six words, payable in advance, and copy should be handed to the business manager the morning before publication day.

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